



Minimum Evaporating Temp. With:

— 25 °C Suction Gas Return

— Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	8.88	11.95	15.65	20.20	25.50	31.90	39.40
30.0	8.37	11.30	14.90	19.25	24.40	30.50	37.80
35.0	7.88	10.70	14.15	18.30	23.30	29.20	36.10
40.0	7.39	10.10	13.40	17.40	22.20	27.80	34.40
45.0	6.93	9.52	12.70	16.50	21.00	26.40	32.80
50.0		8.96	11.95	15.60	19.90	25.00	31.10
55.0		8.43	11.30	14.70	18.85	23.70	29.40

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	7.93	9.19	10.55	11.95	13.40	14.95	16.45
30.0	8.19	9.54	11.00	12.50	14.15	15.80	17.50
35.0	8.44	9.88	11.45	13.10	14.85	16.70	18.55
40.0	8.69	10.20	11.90	13.65	15.55	17.55	19.60
45.0	8.95	10.55	12.30	14.20	16.25	18.40	20.60
50.0		10.90	12.80	14.80	16.95	19.25	21.70
55.0		11.30	13.25	15.35	17.65	20.10	22.70

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	17.43	18.85	20.47	22.26	24.21	26.27	28.42
30.0	17.71	19.26	21.03	23.01	25.17	27.49	29.93
35.0	17.99	19.67	21.60	23.76	26.14	28.72	31.45
40.0	18.27	20.08	22.17	24.52	27.12	29.95	32.97
45.0	18.57	20.51	22.75	25.28	28.10	31.18	34.50
50.0		20.95	23.35	26.07	29.11	32.44	36.06
55.0		21.43	23.98	26.88	30.13	33.72	37.63

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	45.10	60.80	79.90	103.00	131.00	164.00	203.00
30.0	44.00	59.50	78.50	101.50	129.00	162.00	201.00
35.0	42.80	58.30	77.20	100.00	127.50	160.50	199.00
40.0	41.60	57.00	75.80	98.60	126.00	158.50	197.00
45.0	40.60	55.80	74.50	97.10	124.50	156.50	195.00
50.0		54.80	73.30	95.70	122.50	155.00	193.00
55.0		53.80	72.20	94.40	121.00	153.00	191.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	84.7
Bore/Stroke, mm	74.6/55.6
Length/Width, mm	755/585
Height, mm	630
Net Weight, kg	242
Gross Weight, kg	272
Suction, inch	1 5/8
Discharge, inch	1 3/8
Oil Quantity, l	6.8
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	40.2
Locked Rotor Current, A	203
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Crankcase Heater	70 W Internal
Crankcase Heater	100 W Internal
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YYY	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00